

A square-shoulder end mill contains a housing, the butt end of which is made in the form of a belt of ellipsoid rotation, cutting elements, which are located on the spiral and are made of identical height relative to the surface of belt. A spiral is multiturn in the form of Ferma spiral. The total quantity of used turns of Ferma spiral is determined by the quantity of cutting elements installed on one complete circle of the mill body, advance or delay in the arrangement of each next cutting element relative to one complete circle of the mill body and total quantity of cutting elements installed on the mill body. The embodiment allows to ensure the increase of the durability of square-shoulder end mill.